

PAT-NO: JP360028759A

DOCUMENT-IDENTIFIER: JP 60028759 A

TITLE: BRUSHLESS MOTOR

PUBN-DATE: February 13, 1985

INVENTOR-INFORMATION:

NAME

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NAME

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N/A

APPL-NO: JP58135148

APPL-DATE: July 26, 1983

INT-CL (IPC): H02K029/00

ABSTRACT:

PURPOSE: To improve the efficiency of a brushless motor by forming a stator **yoke by laminating magnetic materials through insulating** layers to reduce leakage magnetic flux to the back side of a stator with a simple and inexpensive construction, thereby reducing eddy current loss.

CONSTITUTION: A stator yoke 3 is composed by interposing an insulating plate 10 made of a polyimide film or the like between stator yoke plates 3A and 3B made of a thin plate such as permalloy or silicon steel plate of upside and downside. A rotor 1 is secured to a shaft via screws 8. A magnet 2 which is formed of a permanent magnet and multipolarized is secured to the lower surface of the rotor 1 of disc shape. A coil 4 is mounted at the position opposed to the magnet 2 of the upper surface of the stator yoke 3.

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